

Presentation to Environmental Review Commission on the Status of Solar PV in North Carolina

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North Carolina Utilities Commission
Public Staff**

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WHAT IS THE PUBLIC STAFF?

- Represents the Using and Consuming Public served by North Carolina's public utilities
 - Intervenes in NCUC proceedings affecting rates or service
- Established in 1977
- Staff of engineers, accountants, attorneys, economists, and complaint analysts

Solar CPCN Process

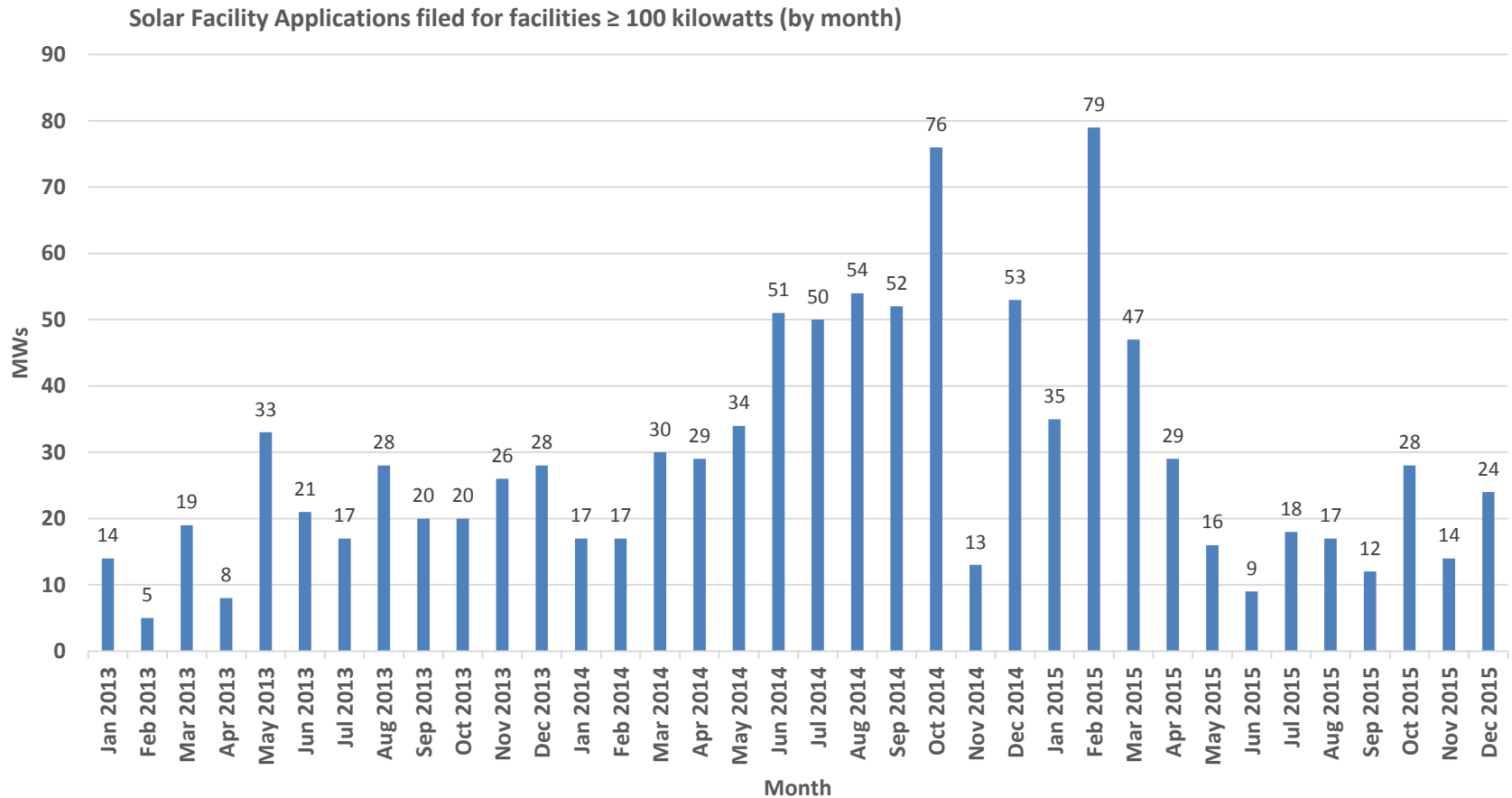
- CPCN = Certificate of Public Convenience and Necessity
- Per G.S. 62-110.1(g), a CPCN from the NCUC is required for any solar PV facility of 2 MW or greater before construction can begin.
- NCUC Rule R8-64 specifies the information required for inclusion in a CPCN application.

Steps to Issuing CPCN

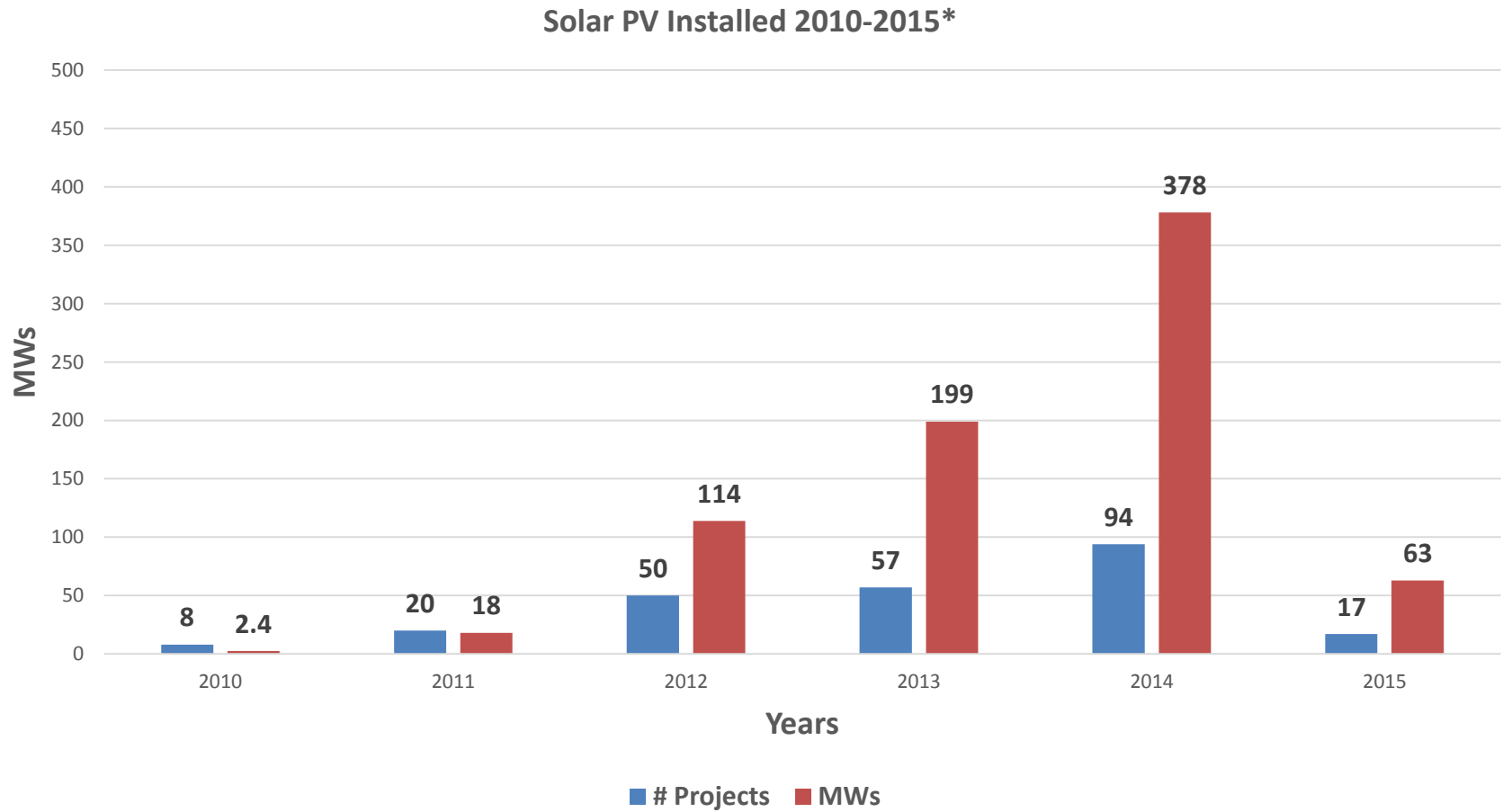
- Application filed with NCUC
- NCUC issues Order requiring publication of notice
- NCUC sends copies of application and notice to State Clearinghouse Coordinator
- Public Staff reviews application, Clearinghouse review, and complaints filed
- Once complete, Public Staff places on NCUC agenda and the certificate is issued by the NCUC

Monthly Solar PV CPCN Filings by MW

2013-2015



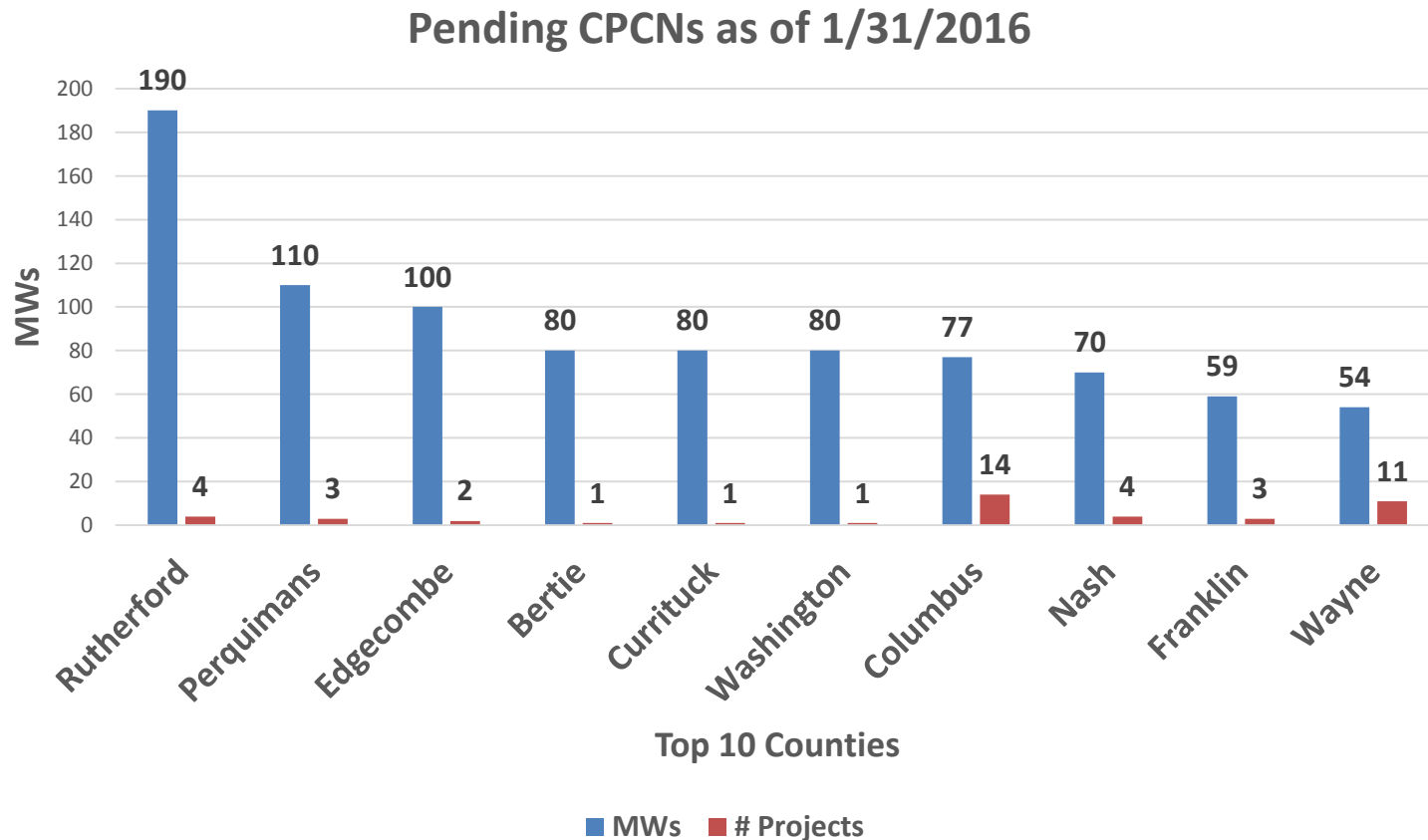
Solar PV Installed Since 2010



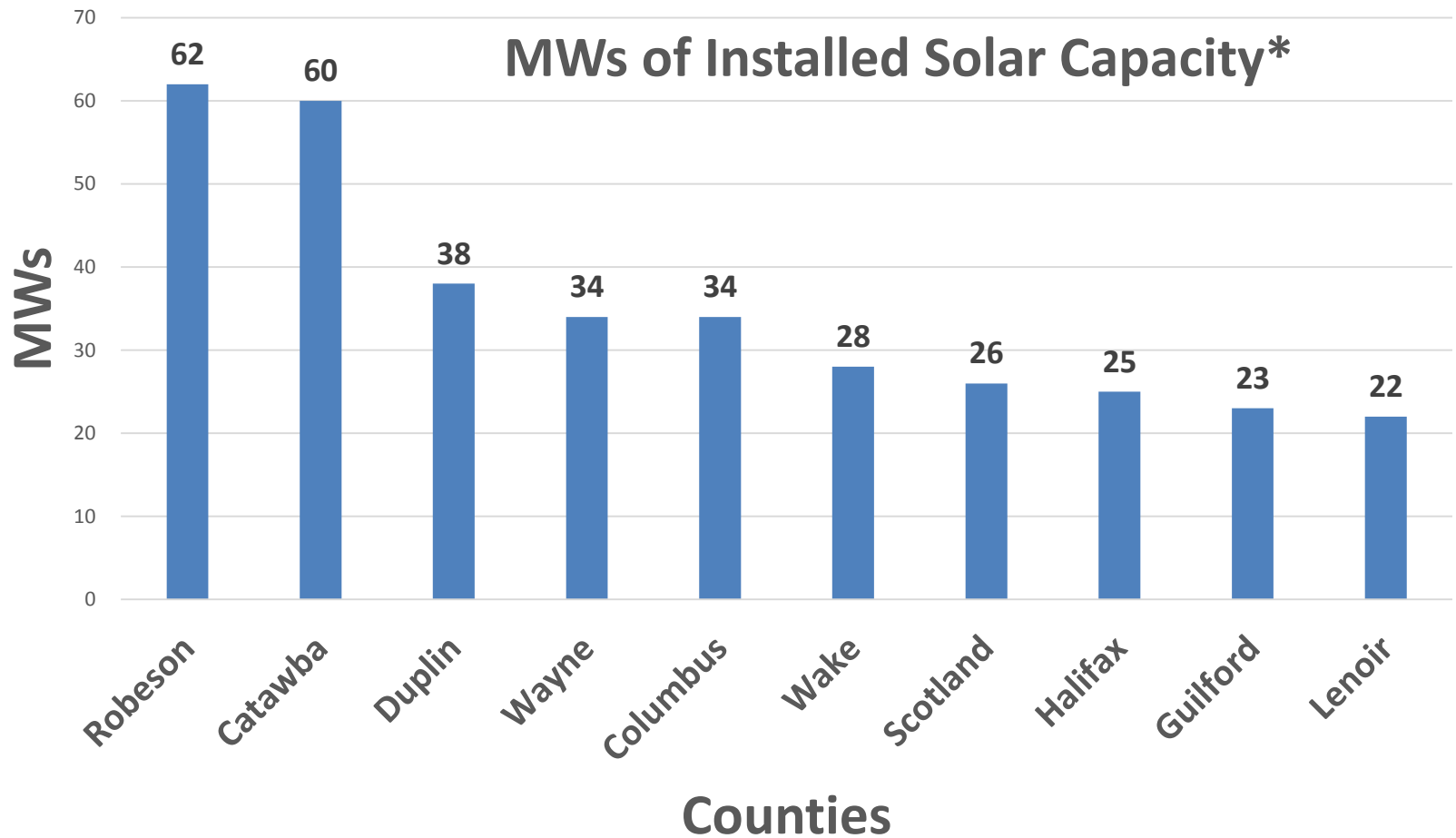
*Through March 31, 2015

Solar CPCNs Pending as of 1/31/2016

- **114 applications representing 1,310 MW (avg size 11.5 MW)**



Top 10 Counties for Installed Solar Capacity

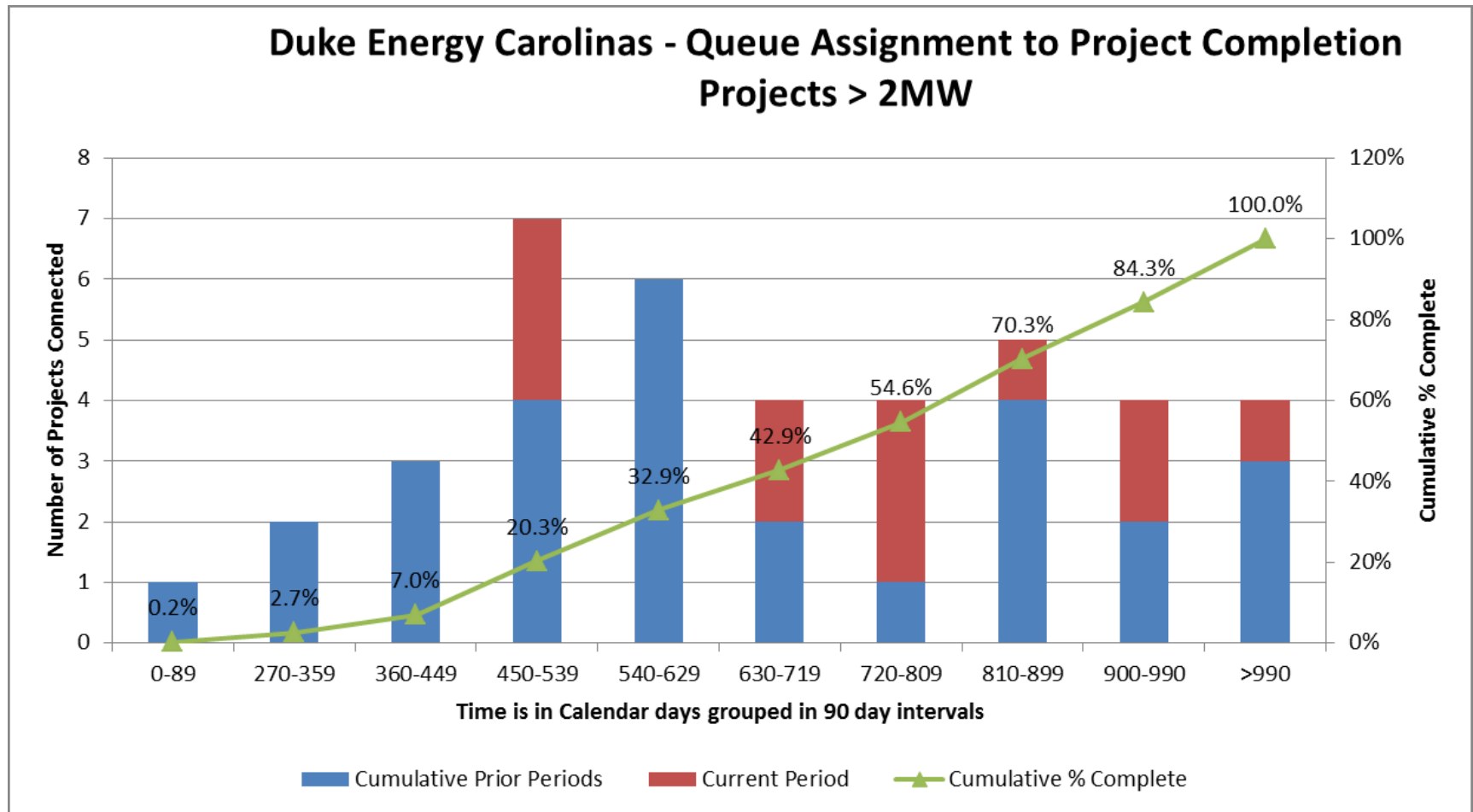


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Interconnection Queue Process

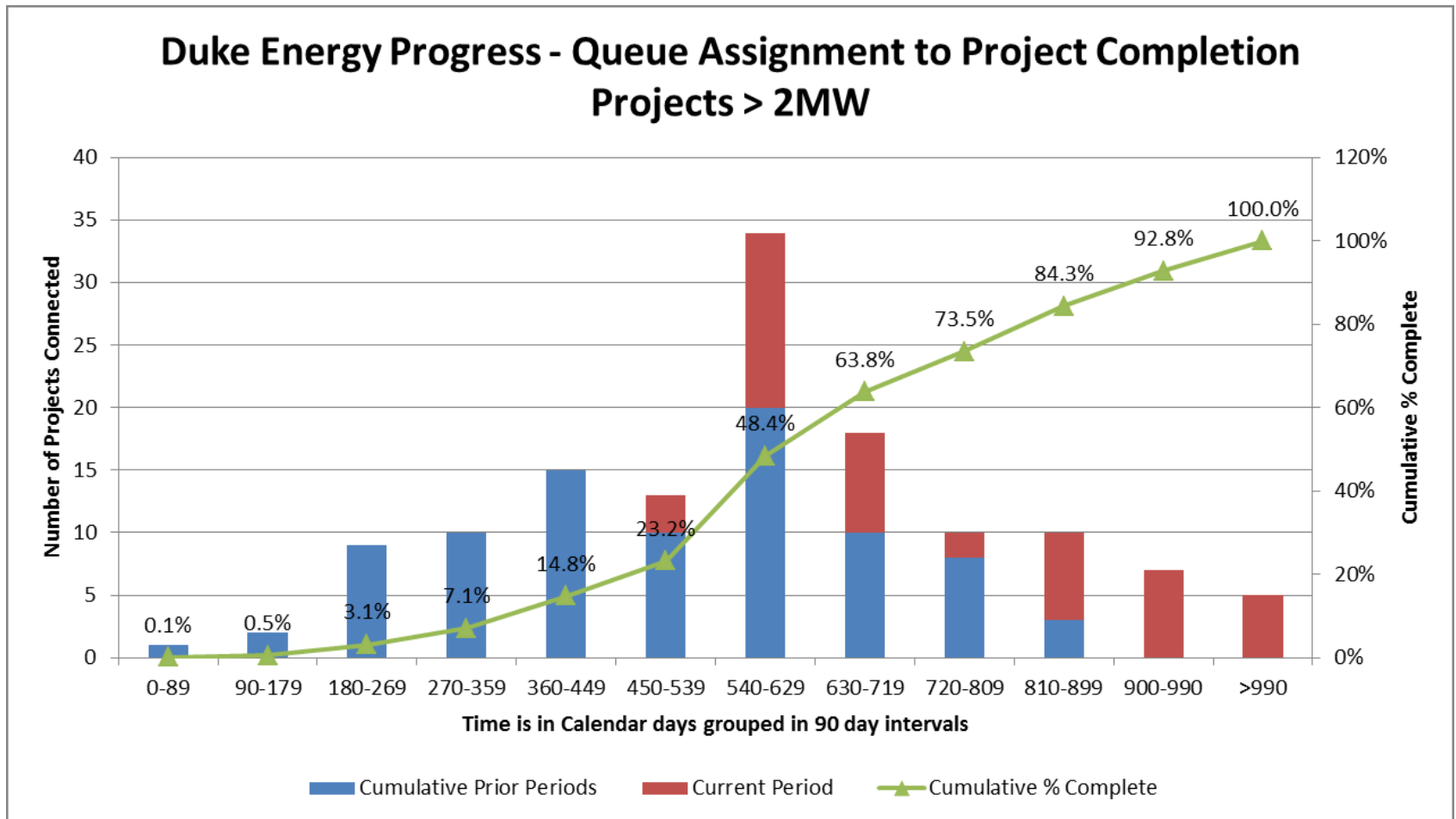
- **Steps to connect renewable generators to the grid:**
 1. Generator owner submits interconnection application to utility
 2. Utility determines:
 - Impact of generator on grid
 - Additional equipment/upgrades required to connect generator
 3. Generator owner pays utility for interconnection equipment
 4. Utility installs necessary interconnection equipment
 5. Generator connects to grid once construction is complete

DEC Interconnection Queue Status



As of December 31, 2015

DEP Interconnection Queue Status



As of December 31, 2015

Questions?

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